

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for ~~managing~~ modifying a configuration of a host adapter for a computer, the host adapter allowing communication between the computer and a peripheral device connected to the host adapter, the method comprising:

generating a graphical user interface, the graphical user interface being configured to
5 allow a user to access configuration settings of the host adapter;

receiving instructions via the graphical user interface, the instructions comprising
~~managing the configuration settings of the host adapter by way of the graphical user interface~~
~~to create configuration changes;~~ changes to the configuration settings of the host adapter;

saving the configuration changes being saved to a file in a storage location, the
10 ~~configuration~~ changes being saved without being activated;

rebooting the computer, the rebooting using code having program instructions ~~for~~ for:
locating the file having the ~~saved configuration changes;~~ changes, reading the ~~configuration~~
changes saved to the file in the storage location, ~~the reading being performed during the~~
~~rebooting of the computer;~~ and writing the ~~configuration~~ changes to a nonvolatile memory of
15 the host adapter of the computer, wherein the reading and the writing ~~being~~ are performed
during the rebooting of the computer; and

activating the ~~configuration~~ changes for the host adapter during the rebooting of the
computer so that the computer uses the ~~configuration~~ changes when communicating with the
host ~~adapter;~~ adapter, wherein the graphical user interface provides the user with a look and
20 feel of system components visible and accessible through the operating system of the
computer.

2. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, further comprising:

informing the user that the ~~setting~~ changes will not be available until the ~~rebooting of the computer is complete~~ computer is rebooted; and

prompting the user to execute a reboot command.

3. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, wherein the ~~managing the configuration of the host adapter includes~~ settings includes ~~determining~~ what peripheral devices are connected to the host adapter.

4. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, wherein a host adapter icon represents the host adapter in the graphical user interface.

5. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 4, further comprising:

receiving a selection of ~~selecting~~ the host adapter icon in the graphical user interface, the ~~selecting of the host adapter icon being configured to provide~~ graphical user interface providing, in response to the selection, access to the host adapter; ~~and~~

~~selecting the host adapter icon in the graphical user interface, the selecting of the host adapter icon being configured to provide access to~~ and the peripheral devices device connected to the host adapter.

6. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in claim 5~~ The method of claim 5, wherein the graphical user interface provides ~~selecting of the host adapter icon provides~~ access to the configuration settings of the host adapter in response to the selection of the host adapter icon.

7. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 5, wherein the graphical user interface selecting of the host adapter icon provides access to diagnostic tools for managing the configuration of the host adapter in response to the selection of the host adapter icon.

8. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, wherein the host adapter is a SCSI host adapter.

9. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, wherein a system BIOS of the computer reads the configuration changes saved to the file in the storage location.

10. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 1, wherein the storage location is defined in storage associated with one of a hard drive of the computer and a memory chip.

11. (Currently amended) ~~A method for managing the configuration of a host adapter for a computer as recited in~~ The method of claim 10, wherein the a system BIOS writes the configuration changes to an EEPROM of the host adapter.

12. (Currently Amended) A method for accessing and ~~managing~~ modifying a configuration of a host adapter for a computer, the host adapter providing communication between the computer and a peripheral device connected to the computer, the method comprising:

5 generating a graphical user interface; ~~accessing and managing that provides access to~~ the configuration of the host adapter by way of the graphical user interface, the accessing and managing of the configuration including making changes to the configuration;

receiving instructions to modify the configuration via the graphical user interface, the instructions comprising changes to the configuration;

- 10 saving the changes ~~to the configuration~~ to a registry key, the changes ~~to the configuration~~ being saved without being activated;
- receiving a command to reboot the computer;
- ~~executing the command to reboot the computer and initiating~~ performing a reboot operation when the command to reboot the computer is received;
- 15 reading the changes ~~to the configuration~~ saved to the registry key during the reboot operation; and
- writing the changes ~~to the configuration~~ to a nonvolatile memory of the host adapter of the computer during the reboot operation, wherein the graphical user interface provides the user with a look and feel of system components visible and accessible through the operating
- 20 system.

13. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 12, wherein the ~~initiating of~~ the reboot operation includes shutting down all applications and all system devices.

14. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 13, wherein the reading of the changes ~~to the configuration saved to the registry key~~ is carried out by a device driver at Ring 0 after the shutting down of all the applications.

15. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 14, wherein the writing of the ~~configuration~~ changes to the nonvolatile memory of the host adapter of the computer is by the device driver at Ring 0 after the reading of the changes ~~to the configuration saved to the registry key~~.

16. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 15, wherein the reboot operation includes shutting down of an operating system after the writing of the ~~configuration~~ changes to the nonvolatile memory of the host adapter and then an executing of a boot sequence ~~by~~ of a system BIOS.

17. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 16, further comprising:

reading the configuration of the host adapter with the configuration changes by the system BIOS during the boot sequence; and

initializing the computer and the host adapter in accordance with the configuration of the host adapter with the ~~configuration~~ changes.

18. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 12, wherein the host adapter is a SCSI host adapter.

19. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 12, further comprising:

generating a host adapter icon in the graphical user interface, the host adapter icon being configured to provide graphical user interface driven access to the host adapter and any
5 device connected to the host adapter;

informing the user that the ~~configuration~~ changes will not be available until the reboot operation is complete; and

prompting the user to select the command to reboot the computer.

20. (Currently Amended) A method for enabling graphical user interface driven modifications of settings in an EEPROM associated with a SCSI host adapter connected to a computer, the method comprising:

displaying a graphical user interface, the graphical user interface providing a list of
5 selectable configuration options;

receiving user selections of ~~change~~ the configuration options provided by the list of
~~selectable configuration options~~;

writing the user selections to a storage location, the writing being performed without activating the user selections;

10 ~~initiating a reboot of~~ rebooting the computer, ~~the rebooting~~ using code having program instructions for ~~locating the storage location to read~~ reading the user selections; ~~selections~~, writing the user selections ~~from the storage location~~ to the ~~EEPROM~~; EEPROM, and completing the rebooting, the SCSI host adapter being configured to operate in accordance with the user selections;

15 wherein the graphical user interface provides a user with a look and feel of system components visible and accessible through the operating system of the computer.

21. (Currently amended) ~~A method for enabling graphical user interface driven modifications of settings in an EEPROM associated with a SCSI host adapter connected to a computer as recited in~~ The method of claim 20, wherein the graphical user interface includes selections to initiate diagnostic testing of the SCSI host adapter.

22. (Currently amended) ~~A method for enabling graphical user interface driven modifications of settings in an EEPROM associated with a SCSI host adapter connected to a computer as recited in~~ The method of claim 20, wherein the storage location is defined in storage associated with one of a hard drive of the computer and a memory chip.

23. (Currently amended) ~~A method for enabling graphical user interface driven modifications of settings in an EEPROM associated with a SCSI host adapter connected to a computer as recited in~~ The method of claim 20, wherein the graphical user interface is displayed following a selection of a SCSI host adapter icon.

24-34. Canceled.

35. (Currently amended) ~~A method for managing a configuration of a host adapter for a computer as recited in~~ The method of claim 5, wherein access to the peripheral devices connected to the host adapter includes providing for configuration and management of the peripheral devices connected to the host adapter.

36. (Currently amended) ~~A method for accessing and managing a configuration of a host adapter for a computer as recited in~~ The method of claim 19, wherein access to any device connected to the host adapter includes providing for configuration and management of any device connected to the host adapter.